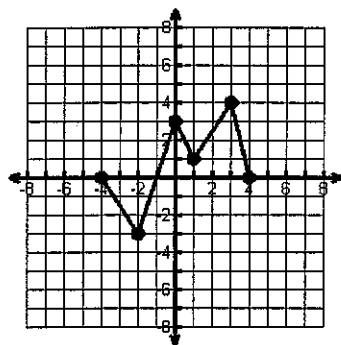


EXPLORING TRANSFORMATIONS - FUNKY FUNCTIONS

Sketch graphs of the following transformations of $f(x)$. Give the domain and range.

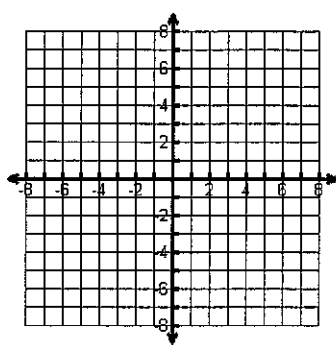
SET 1

$y = f(x)$



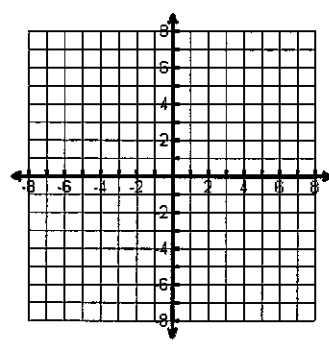
D: _____ R: _____

1) $y = f(x) - 2$



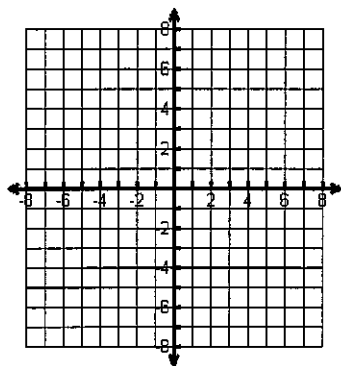
D: _____ R: _____

2) $y = f(x) + 2$



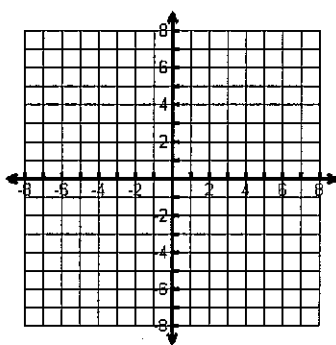
D: _____ R: _____

3) $y = f(x + 2)$



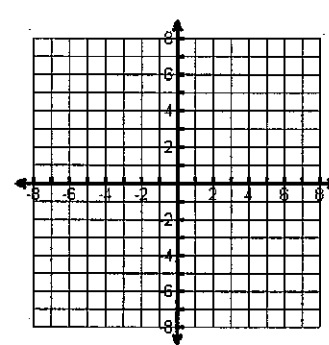
D: _____ R: _____

4) $y = f(x - 2)$



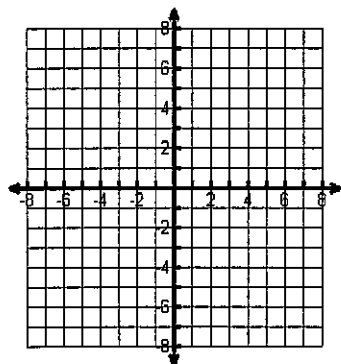
D: _____ R: _____

5) $y = 2f(x)$



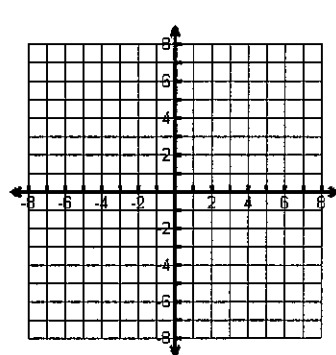
D: _____ R: _____

6) $y = \frac{1}{2}f(x)$



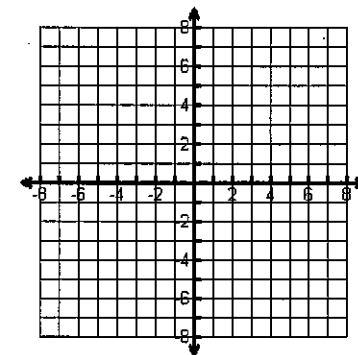
D: _____ R: _____

7) $y = f\left(\frac{1}{2}x\right)$



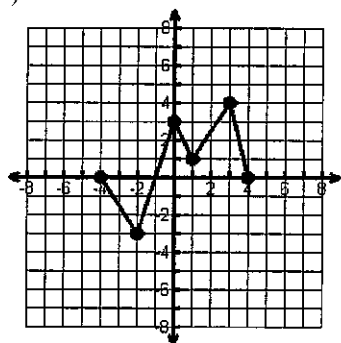
D: _____ R: _____

8) $y = f(2x)$

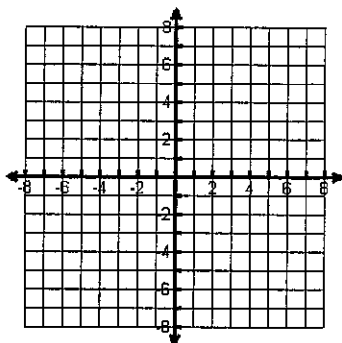


D: _____ R: _____

$y = f(x)$

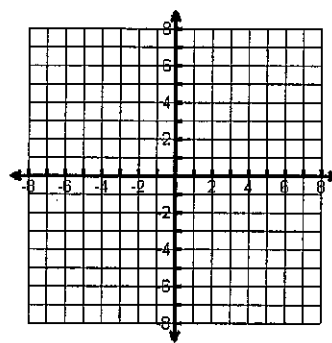


9) $y = f(-x)$



D: _____ R: _____

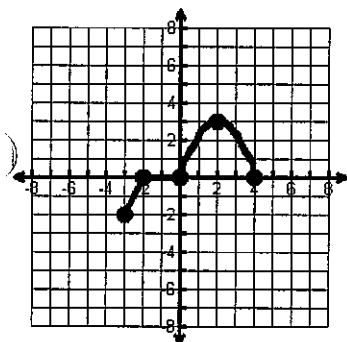
10) $y = -f(x)$



D: _____ R: _____

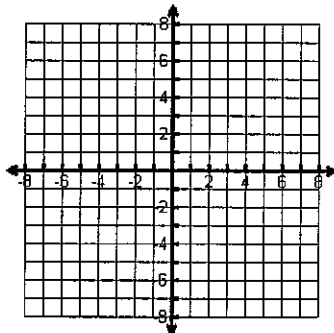
SET 2

$y = f(x)$



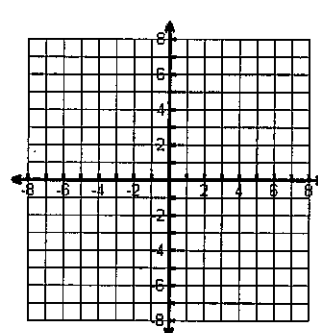
D: _____ R: _____

1) $y = -f(x)$



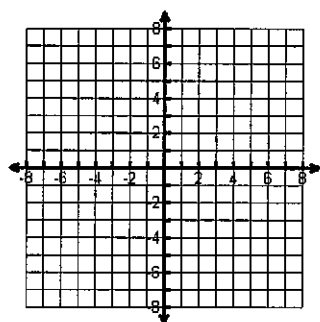
D: _____ R: _____

2) $y = f(-x)$



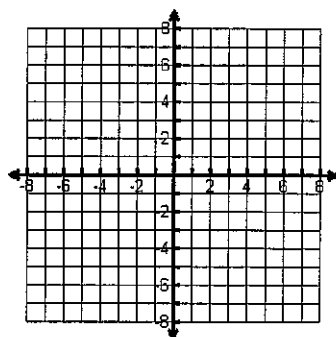
D: _____ R: _____

3) $y = 2f(x)$



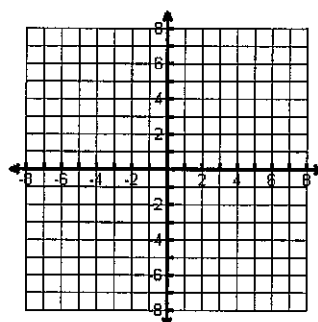
D: _____ R: _____

4) $y = \frac{1}{2}f(x)$



D: _____ R: _____

5) $y = \frac{1}{2}f(2x)$



D: _____ R: _____